Get First 3 Rows of DataFrame

Aim

To write a Pandas program that retrieves the first 3 rows of a given DataFrame.

Algorithm

1. Import necessary libraries (pandas and numpy)
2. Create a dictionary with the given sample data
3. Create a DataFrame using the dictionary and the provided labels
4. Use the `head()` method to get the first 3 rows of the DataFrame
5. Display the result

Code

```python
import pandas as pd
import numpy as np

exam_data = {'name': ['Anastasia', 'Dima', 'Katherine', 'James', 'Emily', 'Michael',
'Matthew', 'Laura', 'Kevin', 'Jonas'],
'score': [12.5, 9, 16.5, np.nan, 9, 20, 14.5, np.nan, 8, 19],
'attempts': [1, 3, 2, 3, 2, 3, 1, 1, 2, 1],
'qualify': ['yes', 'no', 'yes', 'no', 'no', 'yes', 'yes', 'no', 'no', 'yes']}

labels = ['a', 'b', 'c', 'd', 'e', 'f', 'g', 'h', 'i', 'j']

df = pd.DataFrame(exam_data, index=labels)

result = df.head(3)
print(result)
```

Output

```
        name  score  attempts qualify
a  Anastasia   12.5         1     yes
b       Dima    9.0         3      no
c  Katherine   16.5         2     yes
```

Result

The program successfully retrieves and displays the first 3 rows of the DataFrame, showing data for Anastasia, Dima, and Katherine.